UTAH OIL AND GAS CONSERVATION COMMISSION

REMARKS: WELL LOG _____ ELECTRIC LOGS _____ FILE X WATER SANDS _____ LOCATION INSPECTED OIL SUB. REPORT/abd.

* Location Abandoned- Well never drilled- July 9, 1982

DATE FILED 12-22-81

LAND: FEE & PATENTED STATE LEASE NO. PUBLIC LEASE NO. U-18649 INDIAN

DRILLING APPROVED: 1-7-82

SPUDDED IN:

COMPLETED: PUT TO PRODUCING:

INITIAL PRODUCTION:

GRAVITY A.P.I.

GOR:

PRODUCING ZONES:

TOTAL DEPTH:

WELL ELEVATION: 4325 KB

DATE ABANDONED: LA - July 9, 1982

FIELD: WILDCAT 3/86

UNIT:

COUNTY: EMERY

WELL NO. GEYSER DOME #2-22 API NO. 43-015-30096

LOCATION 1840 FT. FROM (N) (S) LINE, 2000 FT. FROM (E) (W) LINE. NE SW 1/4 — 1/4 SEC. 22

TWP.	RGE.	SEC.	OPERATOR	TWP.	RGE.	SEC.	OPERATOR
22S	15E	22	MEGADON ENTERPRISES				

Form 9-331 C
(May 1963)

SUBMIT IN T...ICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [X] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [X] GAS WELL [ ] OTHER SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
MEGADON ENTERPRISES INC.

3. ADDRESS OF OPERATOR
STE. 240, 57 WEST SOUTH TEMPLE, SALT LAKE CITY, UTAH 84101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
NE. SW. SECTION 22, T 22S, R 15E, SLM.
At proposed prod. zone 2000' FR. W-LINE AND 1840' FR. S-LINE

5. LEASE DESIGNATION AND SERIAL NO.
U-18649

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
GEYSER DOME

9. WELL NO.
#2-22

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
NE.SW. SECTION 22-22S-15E. SLM.

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
APPROXIMATELY 8 MILES SW. OF GREEN RIVER, UTAH

12. COUNTY OR PARISH: EMERY
13. STATE: UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1840'

16. NO. OF ACRES IN LEASE:

17. NO. OF ACRES ASSIGNED TO THIS WELL: 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 1 ½ MILES

19. PROPOSED DEPTH: 8100'

20. ROTARY OR CABLE TOOLS: ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4310' GRD; 4325' K.B.

22. APPROX. DATE WORK WILL START*
JANUARY 20, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17½"	13 3/8"	48.00#	40'	30 sks
12¼"	9 5/8"	36.00#	1250'	600 sks

IT IS PLANNED TO DRILL A WELL AT THE ABOVE LOCATION TO TEST THE OIL AND GAS PRODUCTIVE POSSIBILITIES OF THE MISSISSIPPIAN-LEADVILLE FORMATION AT A DEPTH OF APPROXIMATELY 8100' AND ALL OTHER FORMATIONS ABOVE THIS DEPTH. THE WELL WILL BE DRILLED WITH ROTARY TOOLS USING MUD-AIR-MUD, IN THAT SEQUENCE, FOR CIRCULATION. IT IS PLANNED TO SET ONE JOINT OF 13 3/8" CASING FOR A CONDUCTOR PIPE AND TO SET THE SURFACE CASING, 9 5/8", THRU THE WINGATE FORMATION WHICH IS KNOWN TO HAVE FRESH WATER IN THIS AREA. A BLOW-OUT PREVENTER AND HYDRIL WHICH IS HYDRAULICALLY OPERATED, WILL BE MOUNTED ON TOP OF THE CASING HEAD FOR WELL CONTROL. IN THE EVENT OF PRODUCTION, 5½" CASING WILL BE SET AND CEMENTED TO A POINT WHICH IS 200' ABOVE THE TOP OF THE SALT. SEE ATTACHED PROG-NOSIS FOR DETAILS.

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED W. Don Quigley TITLE PRESIDENT DATE DEC. 8, 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY W P Martin for E. W. Guynn TITLE District Oil & Gas Supervisor DATE FEB 18 1982

CONDITIONS OF APPROVAL, IF ANY:

NOTICE OF APPROVAL

CONDITIONS OF APPROVAL ATTACHED TO OPERATOR'S COPY

*See Instructions On Reverse Side

FLARING OR VENTING OF GAS IS SUBJECT TO NTL 4-A DATED 1/1/80

State O & G

Form 9-331 C
(May 1963)

SUBMIT IN TRIPLICATE*
(Other instructions on reverse side)

Form approved.
Budget Bureau No. 42-R1425.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

RECEIVED
DEC 23 1981
DIVISION OF OIL, GAS & MINING

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK
DRILL [XX] DEEPEN [ ] PLUG BACK [ ]

b. TYPE OF WELL
OIL WELL [XX] GAS WELL [ ] OTHER
SINGLE ZONE [ ] MULTIPLE ZONE [ ]

2. NAME OF OPERATOR
MEGADON ENTERPRISES INC.

3. ADDRESS OF OPERATOR
STE. 240, 57 WEST SOUTH TEMPLE, SALT LAKE CITY, UTAH 84101

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.*)
At surface
NE. SW. SECTION 22, T 22S, R 15E, SLM.
At proposed prod. zone 2000' FR. W-LINE AND 1840' FR. S-LINE

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U-18649

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME
NA

8. FARM OR LEASE NAME
GEYSER DOME

9. WELL NO.
#2-22

10. FIELD AND POOL, OR WILDCAT
WILDCAT

11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
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14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE*
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13. STATE: UTAH

15. DISTANCE FROM PROPOSED* LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT. (Also to nearest drlg. unit line, if any): 1840'

16. NO. OF ACRES IN LEASE:

17. NO. OF ACRES ASSIGNED TO THIS WELL: 160

18. DISTANCE FROM PROPOSED LOCATION* TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.: 1 ½ MILES

19. PROPOSED DEPTH: 8100' Mississippian

20. ROTARY OR CABLE TOOLS: ROTARY

21. ELEVATIONS (Show whether DF, RT, GR, etc.)
4310' GRD; 4325' K.B.

22. APPROX. DATE WORK WILL START*
JANUARY 20, 1982

23. PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17½"	13 3/8"	48.00#	40'	30 sks
12¼"	9 5/8"	36.00#	1250'	600 sks

IT IS PLANNED TO DRILL A WELL AT THE ABOVE LOCATION TO TEST THE OIL AND GAS PRODUCTIVE POSSIBILITIES OF THE MISSISSIPPIAN-LEADVILLE FORMATION AT A DEPTH OF APPROXIMATELY 8100' AND ALL OTHER FORMATIONS ABOVE THIS DEPTH. THE WELL WILL BE DRILLED WITH ROTARY TOOLS USING MUD-AIR-MUD, IN THAT SEQUENCE, FOR CIRCULATION. IT IS PLANNED TO SET ONE JOINT OF 13 3/8" CASING FOR A CONDUCTOR PIPE AND TO SET THE SURFACE CASING, 9 5/8", THRU THE WINGATE FORMATION WHICH IS KNOWN TO HAVE FRESH WATER IN THIS AREA. A BLOW-OUT PREVENTER AND HYDRIL WHICH IS HYDRAULICALLY OPERATED, WILL BE MOUNTED ON TOP OF THE CASING HEAD FOR WELL CONTROL. IN THE EVENT OF PRODUCTION, 5½" CASING WILL BE SET AND CEMENTED TO A POINT WHICH IS 200' ABOVE THE TOP OF THE SALT. SEE ATTACHED PROG-NOSIS FOR DETAILS.

APPROVED BY THE STATE OF UTAH DIVISION OF OIL, GAS, AND MINING
DATE: 12-17-81
BY: [signature]

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.
SIGNED W. Don Quigley TITLE PRESIDENT DATE DEC. 8, 1981

(This space for Federal or State office use)

PERMIT NO. _____ APPROVAL DATE _____

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

*See Instructions On Reverse Side

WELL PROGNOSIS
FOR
GEYSER DOME #2-22 WELL
EMERY COUNTY, UTAH

OPERATOR: Megadon Enterprises, Inc., Suite 240, 57 West South Temple, Salt Lake City, Utah 84101

LOCATION: NE. SW. Section 22, T 22S, R 15E, SLM, Emery Coutny, Utah (2000' from W-line and 1840' from S-line)

ELEVATIONS: 4310' Grd; 4325' K.B.

CONDUCTOR PIPE: 13 3/8", 48.00#, K-55 casing set at 40' and cemented w/30 sks of re. cement, returns to surface.

SURFACE CASING: 9 5/8", 36.00#, K-55, R-3 casing set at about 2600' (thru Wingate) and cemented w/600 sks of reg cement w/returns to the surface.

EXPECTED FORMATION TOPS:

Formation	Depth to Top	Thickness	Datum
Cedar Mountain	Surface	50'	4280'
Morrison	50'	500'	4230'
Summerville	550'	150'	3730'
Curtis	700'	250'	3580'
Entrada	950'	350'	3330'
Carmel	1300'	220'	2980'
Navajo	1520'	700'	2760'
Kayenta	2220'	80'	2060'
Wingate	2300'	230'	1980'
Chinle	2530'	230'	1750'
Shinarump*	2760'	70'	1520'
Moenkopi	2830'	470'	1450'
Sinbad*	3300'	50'	980'
Kaibab	3350'	150'	930'
Coconino	3500'	480'	780'
Cutler-Rico	3980'	280'	300'
Oquirrh	4260'	510'	20'
Hermosa*	4770'	1060'	-490'
Desert Ck.*	5830'	170'	-1550'
Paradox Salt*	6000'	1300'	-1720'
Lower Hermosa*	7300'	400'	-3020'
Molas	7700'	30'	-3420'
Mississippian*	7730'	300'+	-3450'
TOTAL DEPTH	8100'		

*Formations and members which may have hydrocarbon shows and prospects.

1. It is planned to set and cement one jt of 13 3/8" casing for a conductor pipe and then to drill a 12¼" surface hole for the surface casing to a depth of about 2600'. (This depth will be sufficient to set the casing thru the Wingate formation for the protection of possible loss-circulation in the area, and to protect the fresh water.) Casing, 9 5/8", 36.00#, K-55, R-3, will be run and cemented with 600 sks of cement with returns to the surface. The surface hole will be drilled with water and mud and a deviation of no more than 2° will be maintained. A casing head, Series 600, will be mounted on top of the casing and a blowout preventer with hydraulically operated blind and pipe rams, and a hydril, will be mounted on the casing head. Fill and kill lines will be connected thru a manifold to the casing head below the blind rams. Before the cement plug is drilled out of the surface casing, the BOP and hydril and surface casing will be tested to 2000# for leaks.

2. A 8 3/4" hole will then be drilled below the surface casing to a depth of about 5800', using air and/or air-mist for circulation. At this point, the air system may be changed over to a salt base mud to permit drilling the salt section below. All subsequent shows of hydrocarbons will be drill-stem-tested. Particular attention will be given to the Cane Creek Zone near the base of the salt section. This zone can be productive and is very susceptible to formation damage by the drilling fluids and cement. No barite (barium sulfate) is to be used at any time, if it can possibley be avoided.

3. The hole will be kept straight by drilling methods. Deviation surveys will be taken at 400' intervals. Maximum deviation will be kept below 6°, if possible, and the maximum drift between surveys will be 2°.

4. Samples of the cuttings will be taken at 20-ft. intervals, beginning at 1300', and continuing to a depth of about 6000' or when conversion to mud drilling is begun, them 10' samples will be taken.

5. The well will be drilled to a depth which is at least 200 ft. below the top of the Mississippian formation or to good commercial production. In the event of good production before the Mississippian is reached, the drilling may be discontinued at this point and 5½" casing run to permit drilling deeper at a later date. The mud program will be supervised by the company representative.

6. At total depth, the well will be logged electrically; and a Gamma-Dual-Laterolog and a Gamma-Density-CNL log will be run. The gamma curve will be run all the way from total depth to the surface.

7. If production is obtained in the Mississippian, casing 5½", 23.00#, N-80 R-3 will be run from about 8000' to about 6000' and 5½", 17.00#, J-55 casing will be run from 6000' to surface, and cemented with about 1850 sks of self stress cement. Sufficient cement to cover the salt section will be used.

8. A gamma-cement bond log will be run and the production zone perforated, 2 3/8" tubing run, and completed conventionally. It may be necessary to break down the formation with a weak acid treatment which would be swabbed out immediately after treatment.

9. The drilling of this well should take about two months, and completion work should take about ten days.

10. No toxic gases are expected in this well and should require no special equipment.

N T L - 6 P L A N R E P O R T

For

Well Name: GEYSER DOME #2-22

Location: NE.SW. SECTION 22, T 22S, R 15E, SLM, EMERY COUNTY, UTAH

1. Existing Roads: (See attached Maps)

A. Well Location: (See Plat #1)

Reference Stakes: 200' N-S-E-W

Perimeter Stakes: The above stakes outline the perimeter of the well.

B. Route and Distance to Well Site From Reference Point: (See att. maps)

Take dirt road south out of Green River, Utah and along the river for about 7 miles to Ninemile Wash, then go 2½ miles west on new road to #1-14 location and then 1½ miles up was to the south to the location.

C. Access Roads (Identify secondary roads to be used): (See att. maps)

The river road described above is a county road and is used for 7 miles and is crowned and ditched and is well travelled. The new road west from this road to the #1-14 location is crowned and ditched. The additional new road from the #1-14 well to the new location is up a wash and along a prior trail (old seis rd) for a distance of approx. 1½ miles.

D. Roads Within 3 mile Radius: (See att. maps) Many of the roads are trails and need repair or improving for continous use. Most are used only by occasional traffic (ranchers, uranium propectors, etc.)

Surface type and conditions: Most of the secondar roads are on Mancos or Morrison soil and cross washes, and which are now washed out. Some are soft and permit only 4-wheel drive vehicle travel.

E. Roads Within 1 mile Radius: (See att. maps) See 1-D Above.

All are trails and in poor shape. They are on Mancos or Morrison surface of shale, bentonite, and some gravel

F. Plans for Road Improvement & Maintenance: The trail from the #1-14 well road to the location will have to be widened, ditched, and crowned. Low water crossings at washes will be used. This road may be rerouted some to provide for a

F. more stable road bed. The wash has gravel and boulders which could supply a good road base; but due to possible flood waters the road will be kept on the banks where possible.

2. Planned Access Roads: (See att. maps) Approximately 1½ miles of road will be constructed to the site

(1) Width: 24 ft. wide (disturbed width) with 16' travel surface
(2) Maximum Grades: 6%
(3) Turnouts: None
(4) Drainage Design: Ditched on the sides, with channels to the side
(5) Location and Size of Culverts, Cuts, and Fills: No sulverts. Low water crossings at the washes will be used.
(6) Surfacing Material: Natural surface material of clay, shale, and some gravel from erosion of Mancos and Morrison sediments.
(7) Gates, Cattleguards, or Fence Cuts: None
(8) All new roads have been flagged as required.

3. Location of Existing Wells: (See Map No. 1)

(1) Water Wells: None
(2) Abandoned Wells: None
(3) Temporarily Abandoned Wells: None
(4) Disposal Wells: None
(5) Drilling Wells: None
(6) Producing Wells: Hopefully #1-14
(7) Shut-in Wells: Geyser Dome #1-14
(8) Injection Wells: None
(9) Monitoring or Observation Wells: None

4. Location of Existing and/or Proposed Facilities:

A. Within 1-mile radius of location show the following existing facilities owned or controlled by lessee/operator:

(1): Tank Batteries: (Size) None yet.

(2) Production Facilities: None (The #1-14 may have in the future).

(3) Oil gathering lines: None

(4) Gas gathering lines: None

(5) Injection lines: None

(6) Disposal lines: None

(7) Are lines buried? No

B. If new facilities are contemplated, in the event of production, show: (These facilities depend on the outcome of the proposed well and are really unknown at this time.) Show a general proposed plan. (See Plat No. 2)

(1) Are any facilities planned off well pad? None at this time. If gas, a pipeline would have to be constructed, but this would be considered later. If oil, the crude would be trucked out and a tank battery would be placed on the well pad.

(2) Give dimensions of facilities: See Plat #2

(3) Construction methods and materials: Tank batteries, painted light tan, will be placed on gravel pads and surrounded by a 3' high dike which is 15' from the sides of the tanks. Heater-treaters and pump jacks, if required, will be placed on concrete blocks or raised dirt and gravel pads. All pipe lines on the pad will be buried. Unused portions of the pad will be graded and reseeded. Any fluid pit will be diked and nearly contoured.

(4) Protective measures for livestock and wildlife: All open pits will be fenced with barbed wire, 4 strands, and covered with streamers to protect animals and birds. Pump jacks or rotating machinery will have guards to prevent danger of moving parts.

C. Plan for rehabilitation of disturbed areas no longer needed after drilling operations are completed: Well site will be cleaned, levelled,

C. and graded for production equipment; pits folded-in or fenced if pit still has fluid in it. It will be allowed to dry and be covered as soon as possible thereafter. Site will be re-contoured and seeded where possible.

5. Location & Type of Water Supply: (See att. maps)

A. Type of Water Supply: Water for drilling operations will be obtained from the river.

B. Method of Transporting Water: The water from the river will be hauled to the well site by truck. This is a distance of about 6 miles.

C. Is Water Well Planned? No
If so, describe location, depth and formation:

6. Source of Construction Materials:

A. See attached map and describe: Only natural material in place (clay, shale, gravel, soil) will be used. None other is planned at this time.

B. Identify if Federal, Indian, or Fee Land:

C. Describe Material: (Where from and how used)

D. See item 1-C and 2 above.

7. Waste Disposal:

(1) Cuttings: Will be placed in the reserve pit.
(2) Drilling Fluids: Excess mud and water will be put in reserve pit.
(3) Producing Fluids (oil or water) Oil in tanks, water will be placed in pits initially.
(4) Human Waste: Chemical toilets will be used.

(5) Garbage & Other Waste: A Covered bin will be used and the garbage will be hauled to the city dump.

(6) Clean-up: (See item 10 below) All garbage and unburned debris will be buried by at least 3' of cover after the drilling and completion operations are finished. The unused material and all equipment will be removed from the site and taken to supply yards or to the next drill site, as soon as the well is completed.

8. Airstrips and/or Camp Sites (Describe): None

9. Well Site Layout: (See Plat No. 3)

(1) Describe cuts or fills: No large cuts or fills are required. The site is on a gentle rolling surface and will require a minimum of work. A wash on the north side may be rerouted slightly.

(2) Describe pits, living facilities, soil stockpiles: The reserve pit will be on the east side as shown and cut in antive material to a depth of 4' with banks of 6' high made from the excavated material. Topsoil, mostly gravel, over the pad and pit will be removed down to 12" deep first and piled on the south and west sides. Houste trailers will be used for supervisory personnel.

(3) Rig Orientation, Pipe rack, Access Road Entrance, etc.: (See Plat #3) Rig will be oriented N-S with pipe racks to the south. The access road will be on the east side.

(4) Are Pits Lined? No

10. Plans For Restoration:

A. If Well is completed: Site will be cleaned, debris removed, pits folded-in or fenced with barbed wire if full of fluid, and site levelled for production equipment. All unused portions will be contoured, graded, scarred, and seeded with wheat and rice grass or acceptable mix authorized by the BLM.

B. If Well is abandoned:

(1) Clean-up, levelling, folding pits-in, contouring: These items will be done as soon as possible. Clean-up will be accomplished at the time the

B. (1) rig is removed. The reserve pit, if full of fluid, will be fenced immediately and allowed to evaporate before folding-in.

(2) Seeding location and access road: Site will be scarred with a dozer or spike tooth drag and the grass seed or seed mix authorized by BLM will be drilled to a depth of ½". The access road, if no longe needed, will be erased, scarred, and seeded as above. Water bars will be placed where needed.

(3) Will pits be fenced or covered? If any amount of fluid is in the reserve pit, it will be fenced with barbed wire on the 4th side befo rig is released and remain fenced until fluid evaporates.
(4) Is there any oil in reserve pit? Should be none.
If so, describe disposal: If any oil in pit, it will be pumped out and removed before covering the pit.

(5) When will restoration work be done? As soon as possible. Within 60 days after equipment is removed, if weather and availability of clean-up equipment permit, and will be completed within 10 days thereafter.

11. Description of Land Surface:

(1) Topography & Surface Vegetation: The location is gently rolling and on Morrison gravel surface of shale and clay. The vegetation is sparse shad scale and grass.

(2) Other Surface Activities & Ownership: This is federal land with some grazing by cattle and sheep. Uranium claims cover the area; but there are no current mining activities in the area. Bass enterprises and Sabine Corp. have the oil and gas leases and Megadon has a farmout from them.

(3) Describe other dwellings, archaeological, historical, or cultural sites: There are no dwellings or known archaeological, historical, or cultural sites in the immediate area. An archaeological report will be provided. Wild life are mostly rabbits, prairie dogs, and field mice.

12. Operators Representative: (Address & Phone number)

W. Don Quigley, President
57 W. South Temple, Salt Lake City, Utah 84101 (801) 359-3575

13. Certification:

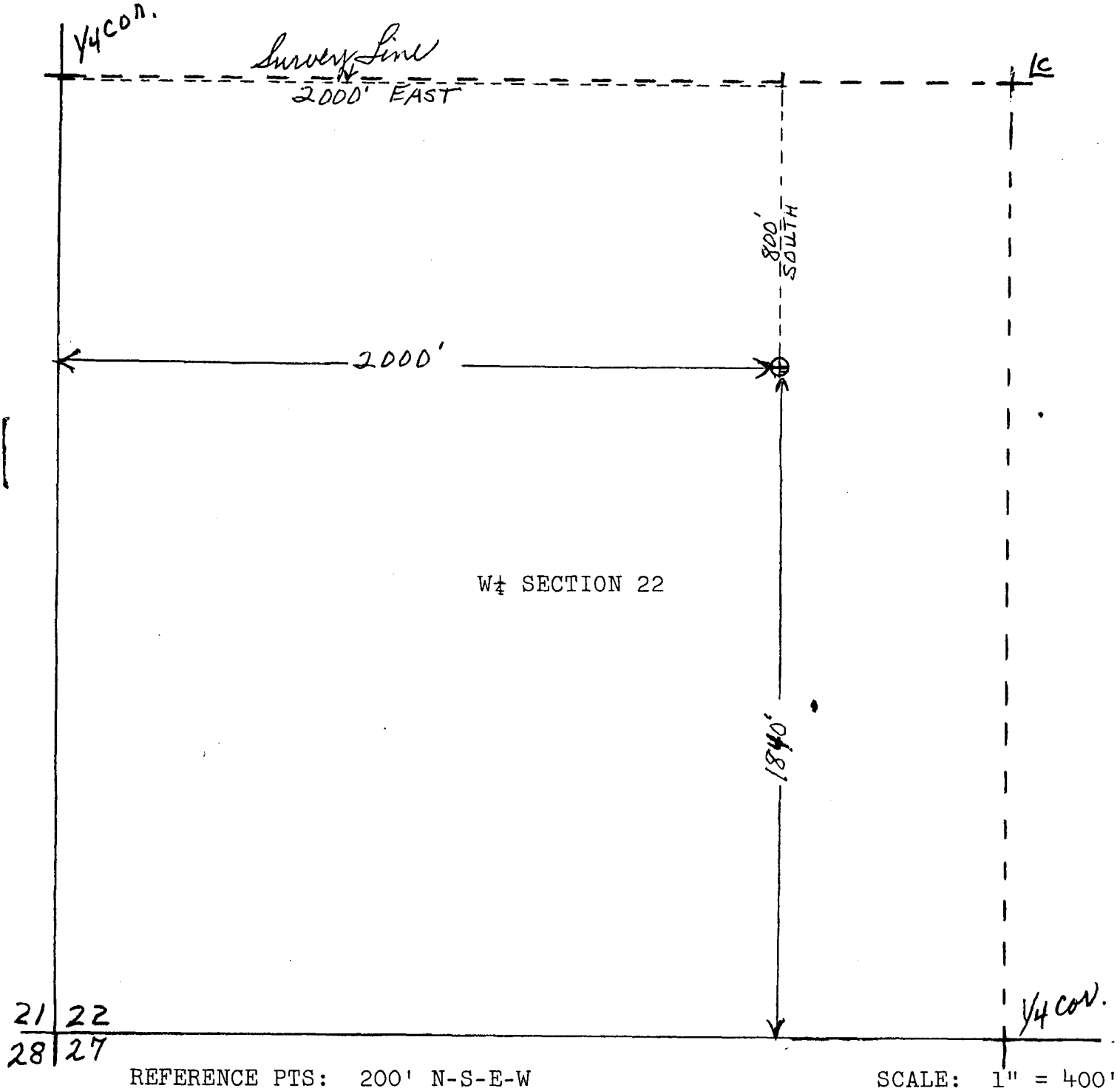
I hereby certify that I, or persons under my direct supervision, have inspected the drill site and access route; that I am familiar with the conditions which presently exist; that statements made in this plan are, to the best of my knowledge, true and correct; and that work associated with the operations proposed herein will be performed by MEGADON ENTERPRISES INC. and its contractors in conformity with this plan and terms and conditions under which it is approved.

Date: Dec. 9, 1981

Name: W. Don Quigley

Title: CONSULTANT & PRESIDENT

LOCATION PLAT FOR
MEGADON ENTERPRISES INC.
GEYSER DOME #2-22 WELL
NE. SW. SECTION 22-22S-15E.
(2000' FR. WEST LINE AND 1840' FR. SOUTH LINE)
ELEVATION: 4310' GRD; 4325' K.B.



REFERENCE PTS: 200' N-S-E-W

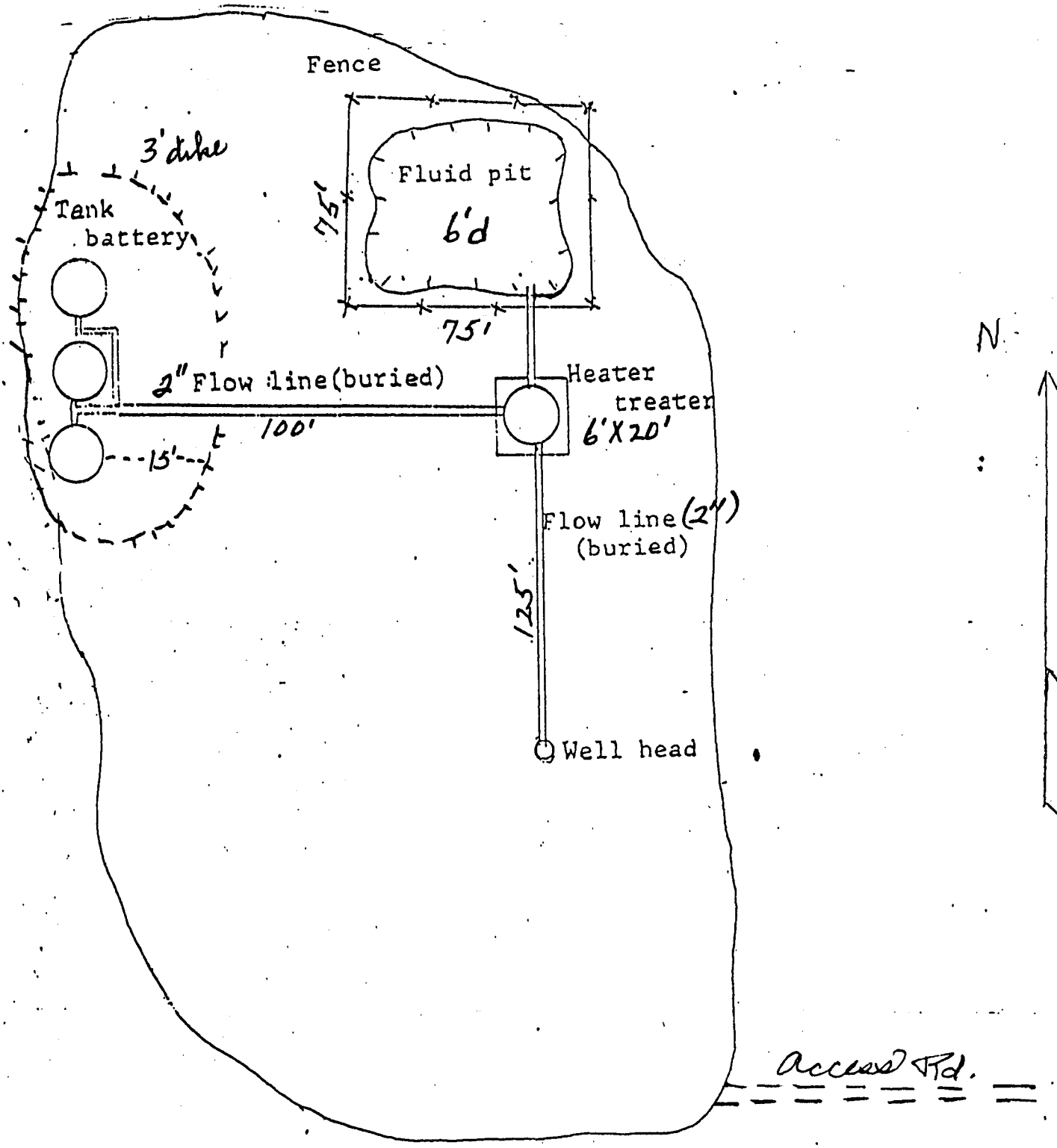
SCALE: 1" = 400'
DATE: 12/8/81

I, Sherman D. Gardner, do hereby certify that this plot was plotted from notes of a field survey made under my direct responsibility, supervision, and checking on

Sherman D. Gardner
Registered Land Surveyor

PLAT #1

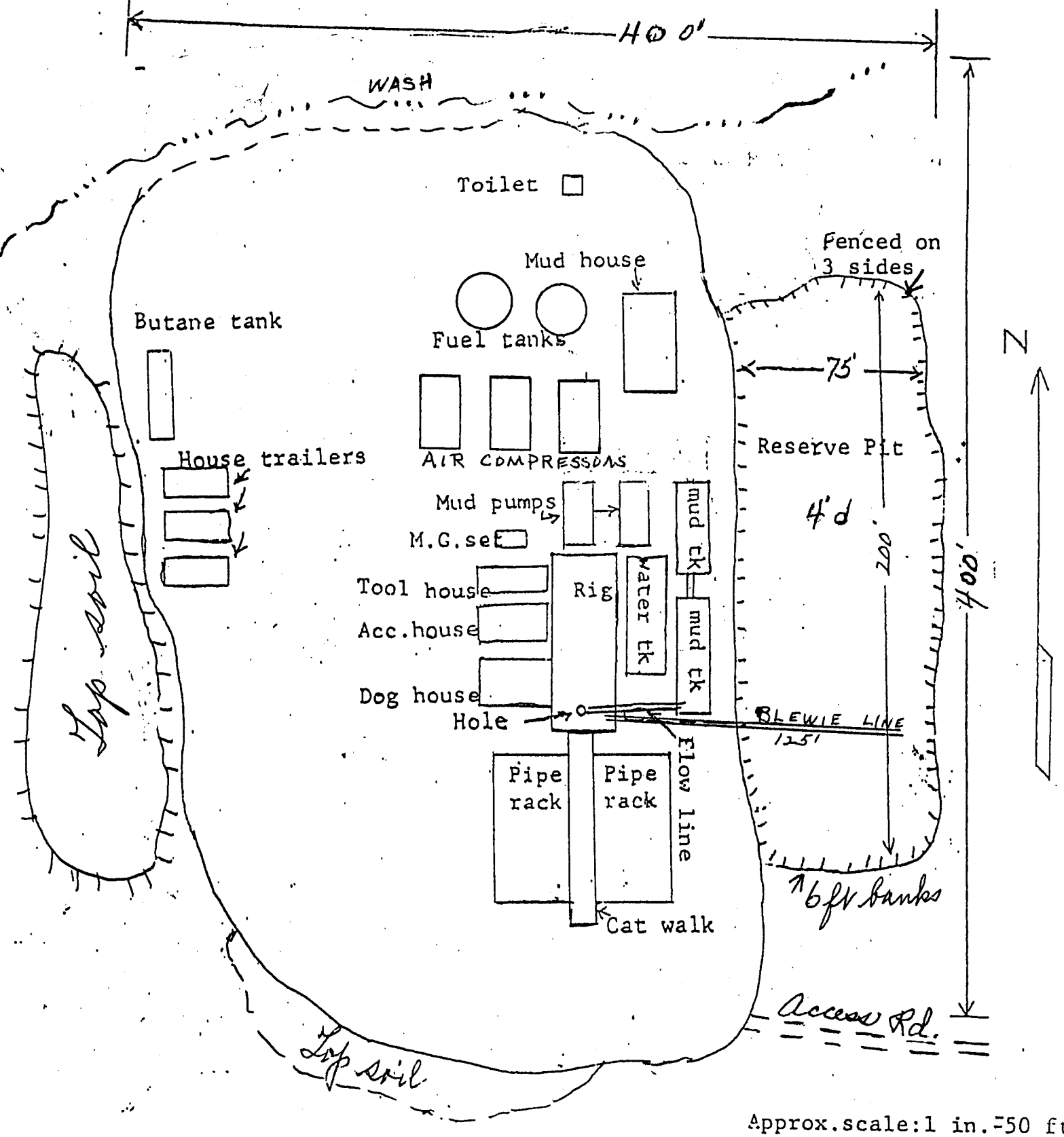
PLAN FOR PRODUCTION EQUIPMENT
FOR
GEYSER DOME #2-22 WELL
NE. SW. SECTION 22-22S-15E.
EMERY COUNTY, UTAH



Approx. scale: 1 in. = 50 ft.

PLAT NO. 2

LLING EQUIPMENT LAYOUT
FOR
GEYSER DOME #2-22 WELL
NE. SW. SECTION 22 -22S-15 E.
EMERY COUNTY, UTAH



Approx. scale: 1 in. = 50 ft

PLAT NO. 3

WELL CONTROL EQUIPMENT FOR
GEYSER DOME #2-22 WELL
NE. SW. SECTION 22-22S-15E.
EMERY COUNTY, UTAH

The following control equipment is planned for the above designated well:

SURFACE CASING:

A: Hole size for the surface casing is 12¼".
B: Setting depth for surface casing is approximately 2600'.
C: Casing specs. are: 9 5/8" O.D, J-55, 36.00#, 8-rd thread, new or used.
D: Anticipated pressure at setting depth is approximately 1000 lbs.
E: Casing will be run anc cemented with 600 sks of cement and with returns to the surface.
F: Top of casing will be at ground level.

CASING HEAD:

A: Flange size: 10", API,
B: Pressure Rating: 3000#; Series 900; Cameron, OCT, or equivalent; new or used; equipped with two 2" ports with nipples and 2", 3000# W.P. valves. Casing head and valves will be set above ground.

INTERMEDIATE CASING:

A: None

BLOWOUT PREVENTERS:

A: Double Rams: Hydraulic; one set of blind rams for 4" drill pipe; 10" flange; 3000# W.P: Series 900; equipped with mechanical wheels and rod for back-up; set on top of casing head and bolted down securely; pressure tested for leaks up to 2000#; Cameron, Shaffer, or equivalent. A hydril and rotating head will also be used.

B: Fill and Kill Lines: To be connected to the 2" valve in the casing head and are to be heavy duty line pipe or tubing. The kill line will be connected to the mud pump and the flow line will be directed into the reserve pit.

AUXILLIARY EQUIPMENT:

A: Float Valve: 3000# W.P: to be used in the bottom drill collar at all times.

B: Kelly Valve: At least 3000# W.P; will be installed in the stand

pipe and a valve with proper sub will be available for stabbing in the drill pipe or drill collars.

ANTICIPATED PRESSURES:

A: Shut-In Pressure: The Mississippian formation at a depth of about 8300' has been recorded at about 3500#, in the Salt Wash Field. This will be the pressure that will be considered in the control program for the mud.

DRILLING FLUIDS:

A: Normal Mud or Air: Will be used to drill the well down to the top of the salt section of the Paradox Formation, which is expected at a depth of about 6000'.

B: Salt Base Mud: At a depth of about 5800' the fresh water mud or air will be converted to salt base mud to prevent wash-outs in the salt section. This will also give a mud weight of over 10#/gal which will provide for a hydrostatic pressure of about 4600# at 8000', which should be sufficient over balance to hold the pressure of the potential reservoir at this depth.

C: Toxic Gasses: None are anticipated.

PRODUCTION CASING:

A: Production Casing Hole Size: 8 3/4"

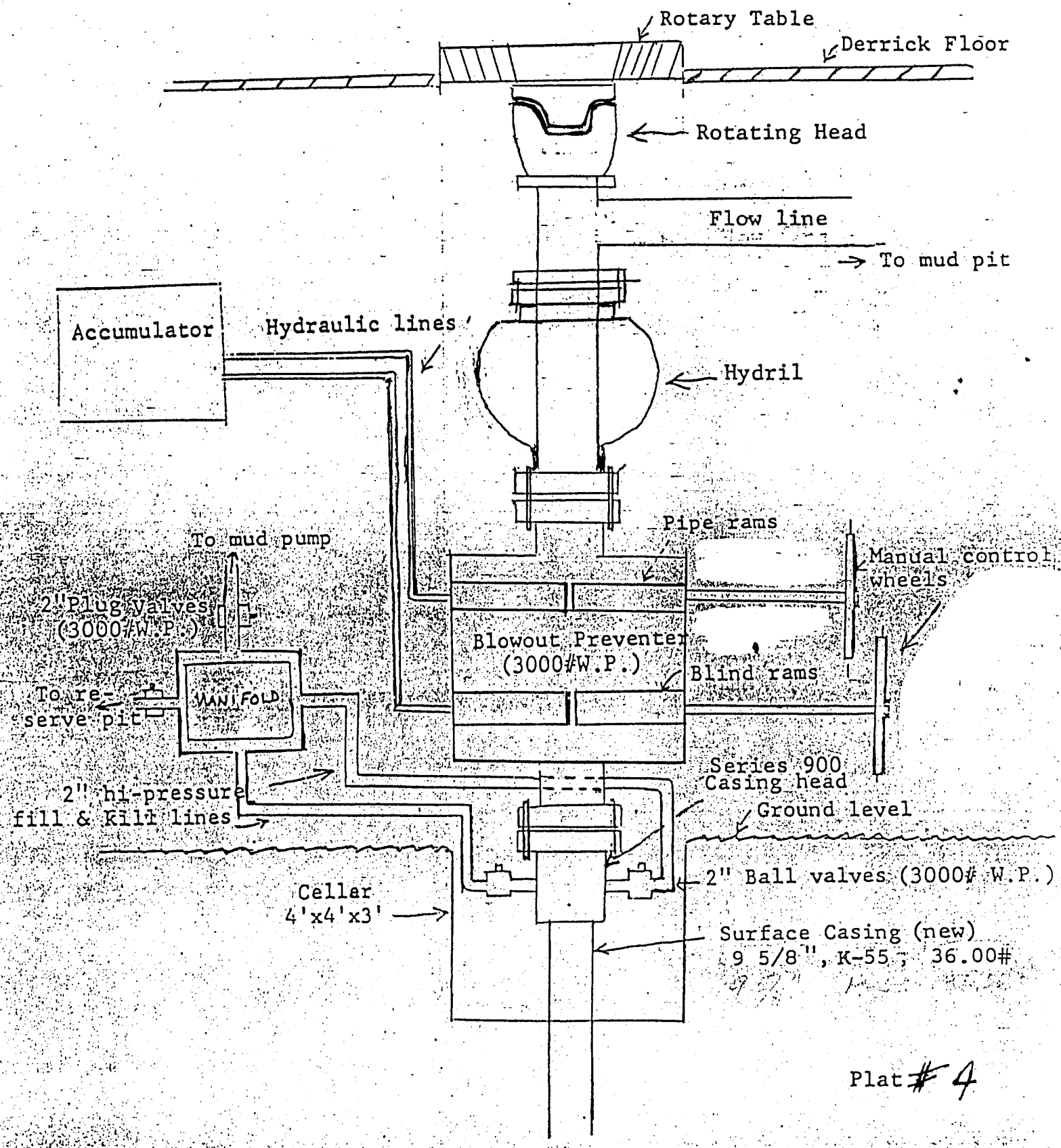
B: Setting Depth: Approximately 8300', which should be about 300' into the Mississippian formation.

C: Casing Specs: 5½" O.D., N-80, 23.00# for lower 2000'; 17.00#, J-55, R-3 for the upper 6000'.

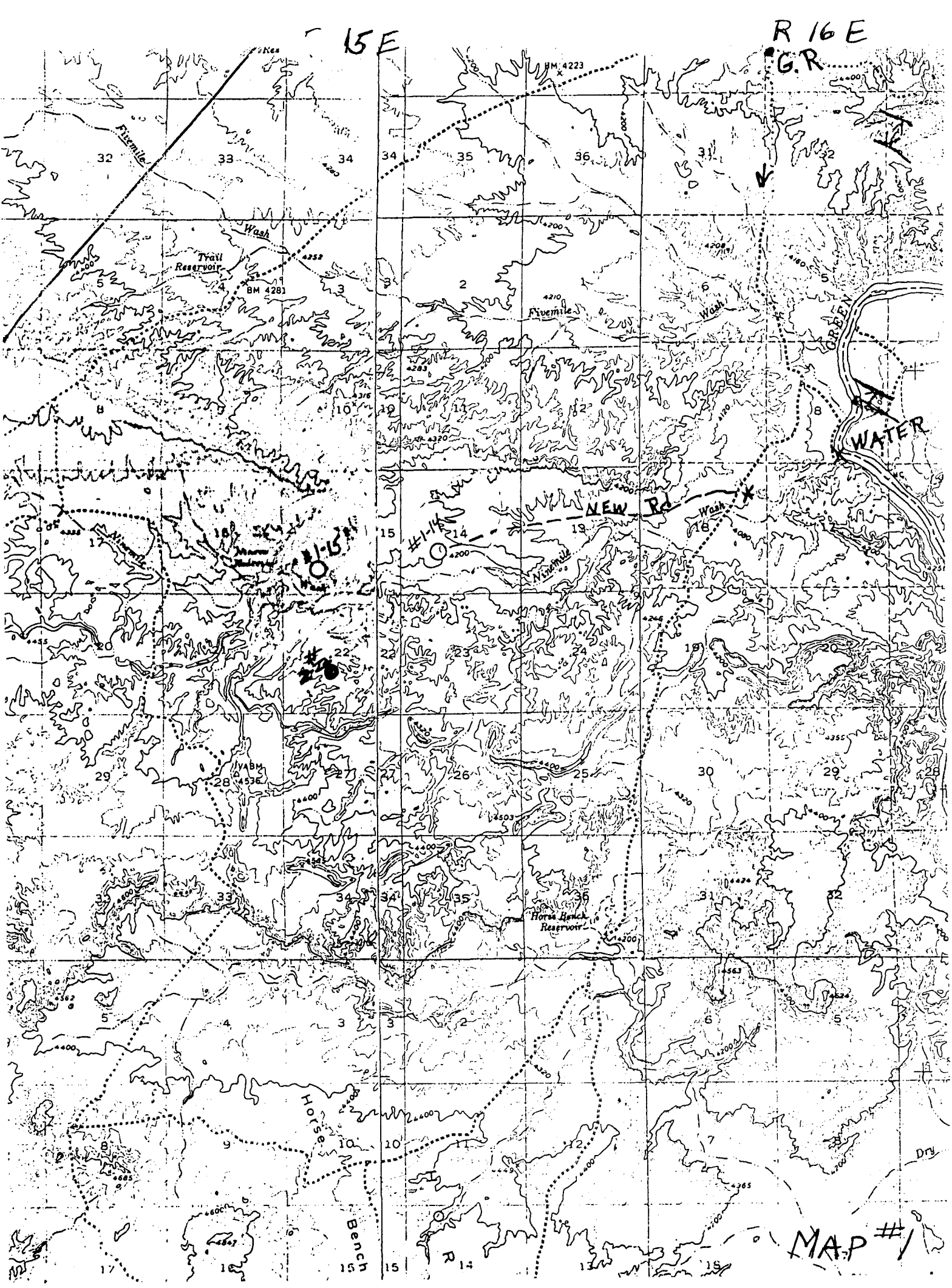
D: Cementing: Csg. will be run and cemented with approx. 600 sks in stages. The bottom of the casing, from 8000' to 6000' will be cemented first with about 200 sks, this will be allowed to set and then the rest of the cement will be used to cement the salt section. This will prevent undue hydrostatic pressures on the production zone. After the cement cures the casing will be set on slips in the casing head. Tubing, 2" OD, will be run, plugs will be drilled out, tubing will be set in tubing head which is securely bolted to the casing head, and then the well will be perforated under a water cushion at the proper intervals.

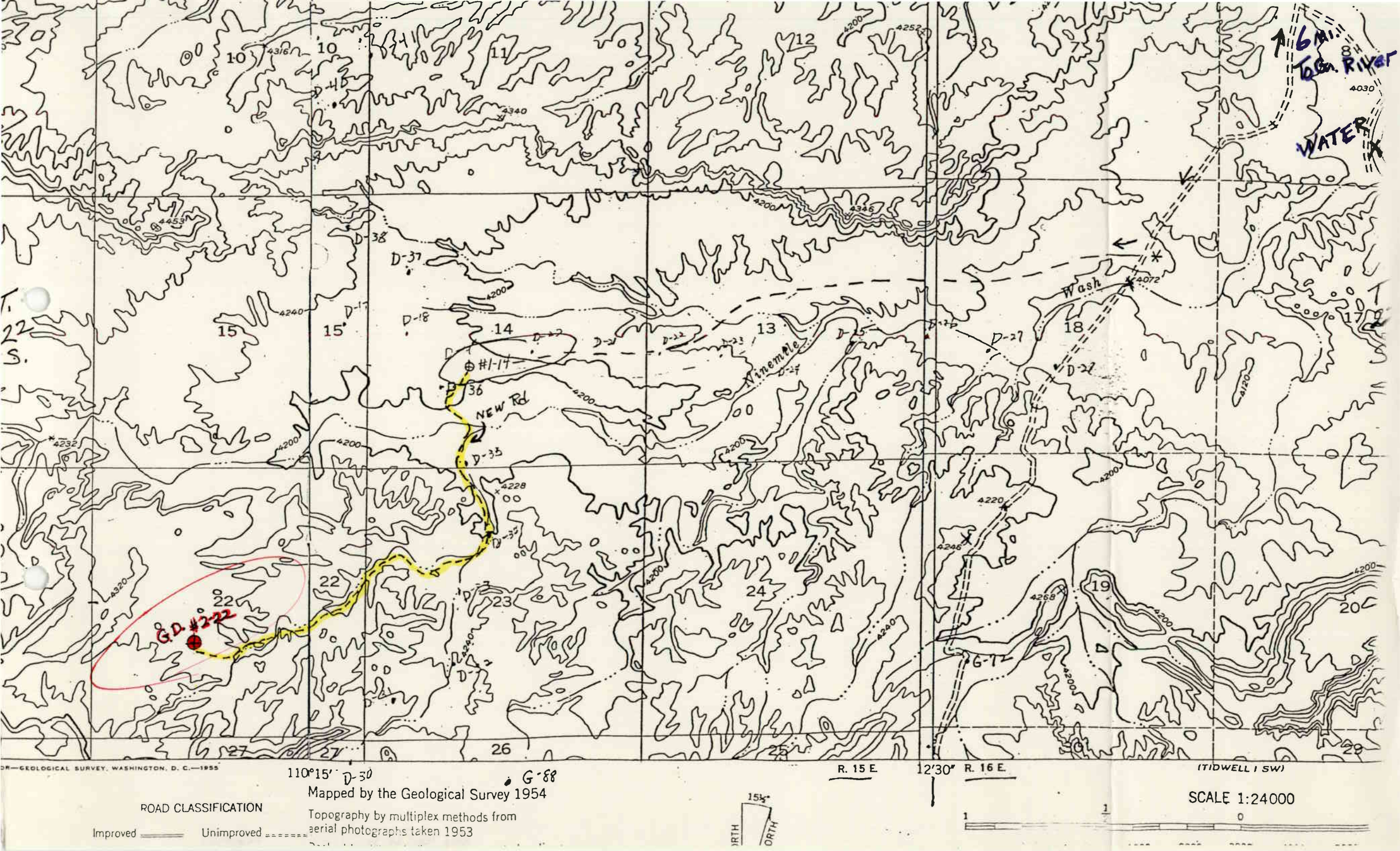
E: Production Casing Pressures: Pressures involved in the production casing should not be greater than 3500# in the Mississippian formation at about 8000' and about 3900# in the Pennsylvanian-Paradox formation at 6000' to 7500'.

SCHEMATIC DIAGRAM C
CONTROL EQUIPMENT FOR THE
GEYSER DOME #2-22 WELL
SECTION 22-22S-15E. NE. SW.
EMERY COUNTY, UTAH



Plat #4


R 15 E
R 16 E
G.R
Fivemile
Wash
Trail Reservoir
BM 4281
BM 4223
4210
Fivemile Wash
GREEN
WATER
NEW Rd
#1-14
#1-15
Ninemile
Horse Bench Reservoir
Horse Bench
Dry
MAP #1


1.6 Mi. to Ga. River
WATER
Wash
Ninemile
NEW Rd
#1-14
G.D. #2-22
D-30
G-88
R. 15 E.
R. 16 E.
12'30"
110°15'
(TIDWELL I SW)
—GEOLOGICAL SURVEY, WASHINGTON, D. C.—1955
Mapped by the Geological Survey 1954
Topography by multiplex methods from aerial photographs taken 1953
ROAD CLASSIFICATION
Improved
Unimproved
SCALE 1:24000

** FILE NOTATIONS **

DATE: 1-6-82

OPERATOR: Megadon Enterprises Inc.

WELL NO: Geyer Bond #2-22

Location: Sec. 22 T. 22S R. 15E County: Emery

File Prepared: ✓ Entered on N.I.D: ✓

Card Indexed: ✓ Completion Sheet: ✓

API Number 43-015-30096

CHECKED BY:

Petroleum Engineer:

Director: OK as per Rule C-3

Administrative Aide: OK as per rule C-3

APPROVAL LETTER:

Bond Required: ☐ Survey Plat Required: ☐

Order No. ☐ O.K. Rule C-3 ☐

Rule C-3(c), Topographic Exception - company owns or controls acreage within a 660' radius of proposed site ☐

Lease Designation Fed ☐ Plotted on Map ☐

Approval Letter Written ☐

Hot Line ✓ P.I. ☐

Identification CER/EA No. 095-82

United States Department of the Interior
Geological Survey
2000 Administration Bldg.
1745 West 1700 South
Salt Lake City, Utah 84104

NEPA CATEGORICAL EXCLUSION REVIEW

PROJECT IDENTIFICATION

Operator Megadon Enterprises, Inc.

Project Type Oil Well - Wildcat

Project Location 2000' FWL & 1840' FSL - Sec. 22, T. 22S, R. 15E

Well No. 2-22 Lease No. U-18649

Date Project Submitted December 21, 1981

FIELD INSPECTION Date January 13, 1982

Field Inspection Participants Craig Hansen - USGS, Vernal

Merv Miles - BLM, Price

Martha Hahn

Don Quigley - Megadon Enterprises

Related Environmental Documents:

I have reviewed the proposal in accordance with the categorical exclusion review guidelines. This proposal would not involve any significant effects and, therefore, does not represent an exception to the categorical exclusions.

1-15-82
Date Prepared

Craig Hansen
Environmental Scientist

I concur

FEB 12 1982
Date

W. P. Martin
FOR E. W. GUYNN
DISTRICT OIL & GAS SUPERVISOR
District Supervisor

Typing In 1-15-82 Typing Out 1-15-82

CATEGORICAL EXCLUSION REVIEW INFORMATION SOURCE

Criteria 516 DM 2.3.A	Federal/State Agency: Correspondence (date)	Federal/State Agency: Phone check (date)	Federal/State Agency: Meeting (date)	Local and private correspondence (date)	Previous NEPA	Other studies and reports	Staff expertise	Onsite inspection (date)	Other
Public health and safety	BLM 2-8-82 /						2	1-13-82 2,4,6	
Unique characteristics	/						2	2,4,6	
Environmentally controversial	/						2	2,4,6	
Uncertain and unknown risks	/						2	2,4,6	
Establishes precedents	/						2	2,4,6	
Cumulatively significant	/						2	2,4,6	
National Register historic places	/								
Endangered/ threatened species	/								
Violate Federal, State, local, tribal law	/								

RECOMMENDED STIPULATIONS FOR MEGADON ENTERPRISES WELL #2-22:

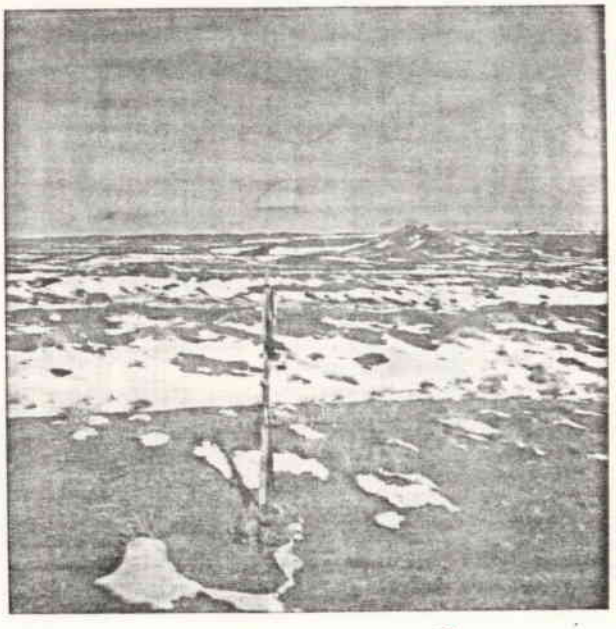
1. Small drainages will be rerouted north of the location and the berm to the west edge of the location to reduce erosion to the location.

2. The access road will be rerouted per attached change to reduce hazardous entry up wash.

3. Production facilities will be painted a color to blend in with the natural surroundings.

4. Location will be reduced to 350' x 400' to reduce area impact.

5. The operator will adhere to BLM surface stipulations.



Megadon Energy
#2-22 north

IN REPLY REFER TO

3100
U-18649
(U-067)

United States Department of the Interior

BUREAU OF LAND MANAGEMENT
Moab District
San Rafael Resource Area
P. O. Drawer AB
Price, Utah 84501

February 5, 1982

Memorandum

To: District Engineer, U.S. Geological Survey, Salt Lake City, Utah

From: Area Manager, San Rafael

Subject: Additional Surface Management Requirements for APD's
Megadon Energy Corporation - Well No. 2-22
Section 22, T. 22 S., R. 15 E.

Following the onsite inspection held January 13, 1982, we would like to have the following stipulations made part of the approved permit to drill. Also, a copy of the stipulations (Attachment A) for road right-of-way U-49759 is enclosed.

1. The BLM San Rafael Resource Area will be notified 48 hours before beginning any construction (phone: 637-4584; 784-2249 after hours).

2. Construction and maintenance for surface use approved under this plan should be in accordance with the surface use standards as set forth in the BLM/GS/USFS oil and gas brochure entitled "Surface Operating Standards for Oil and Gas Exploration and Development". This includes, but is not limited to, such items as road construction and maintenance, handling of topsoil, rehabilitation, etc.

3. Soil to a depth of 12 inches (approximately 6,000 cu. yd.) shall be stockpiled. When drilling is completed, land will be returned to original contour before topsoil is respread.

4. Seeding shall take place from October to March. Seeding method shall be as proposed in the application and shall be repeated until vegetation is successfully established, unless otherwise approved in writing by the Authorized Officer. The following seed mixture shall be used:

Grass	Rate
Indian ricegrass	3 lbs. per acre
Fourwing saltbush	3 lbs. per acre
Shadscale (saltbush)	3 lbs. per acre
Yellow clover	3 lbs. per acre

5. Road shall be a single lane road not to exceed 24 feet (disturbed area) with 16 feet travel surface. Road shall be constructed in accordance with BLM Class III Road Standards (copy enclosed).

6. All vehicle travel will be confined to existing roads. Off-road travel is prohibited.

7. Trash will be contained in a wire cage or drum and hauled to an approved dump site.

8. A chemical toilet shall be provided at the drill site. Pit toilets will not be allowed.

9. Drainages shall not be plugged by roadbeds. Drainage crossings shall be constructed so as not to cause siltation of accumulation of debris. Where siltation or accumulation of debris occurs, the drainage crossing shall be reworked or relocated.

10. Broad-based drainage dips shall be constructed on long, steep road grades. Dips may be installed after temporary roadbeds have been constructed or during construction of permanent roads.

11. Low water crossings shall be used in temporary roads where road locations are more than one-half mile below the head of a drainage.

12. Access roads to well site shall be rehabilitated as shown in the Surface Use Standards and as required by the surface management agency's Authorized Officer.

13. If the road becomes a permanent road, the following apply:

    a. All permanent roads shall be constructed and maintained in good condition for vehicles. Roadway grades and widths for permanent roads must be approved.

    b. Only one permanent road will be allowed to serve the lease area with one permanent road to each well.

An archaeological evaluation was done by Archaeological-Environmental Research Corporation for Megadon Energy Corporation. We have received the archaeological report that shows several sites were found, but no National Register status sites will be affected by the drilling program. The cultural clearance is granted with the following stipulations:

1. All vehicular traffic, personnel movement, and construction be confined to the locations examined and to access roads leading into these locations.

2. All personnel refrain from collecting individual artifacts or from disturbing any cultural resources in the area.

3. Should cultural remains from subsurface deposits be exposed during construction work, or if the need arises to relocate or otherwise alter the construction area, the BLM will be notified immediately.

No threatened or endangered plant or animal species are known to inhabit the area.

No public land near the proposed drilling area is subject to the Wilderness Interim Management guidelines.

If the well is a dry hole but water is found, we would like to be advised of the depth the water is found and determine if we would like the water developed.

Samuel R. Ramsey

Enclosures (2)
1-Stipulations, U-49759
2-Road Standards

January 11, 1982

Megadon Enterprises Inc.
57 West South Temple, Suite 240
Salt Lake City, Utah 84101

RE: Well No. Geyser Dome #2-22
Sec. 22, T. 22S, R. 15E
Emery County, Utah

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immedeately notify the following:

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-015-30096.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

CBF/as
Encl.
cc: BSGS

January 13, 1982

Megadon Enterprises Inc.
57 West South Temple, Suite 240
Salt Lake City,Utah 84101

RE: Well No. Geyser Dome #3-22
Sec. 22, T. 22S, R. 15E
Emery County, Utah

CORRECTED COPY

Insofar as this office is concerned, approval to drill the above referred to oil well is hereby granted in accordance with Rule C-3, General Rules and Regulations and Rules of Practice and Procedure.

Should you determine that it will be necessary to plug and abandon this well, you are hereby requested to immedeately notify the following:

CLEON B. FEIGHT - Director
Office: 533-5771
Home: 466-4455

Enclosed please find Form OGC-8-X, which is to be completed whether or not water sands (acquifers) are encountered during drilling. Your cooperation in completing this form will be appreciated.

Further, it is requested that this Division be notified within 24 hours after drilling operations commence, and that the drilling contractor and rig number be identified.

The API number assigned to this well is 43-015-30096.

Sincerely,

DIVISION OF OIL, GAS AND MINING

Cleon B. Feight
Director

CBF/as
Encl.
cc: USGS

LA

Oil and Gas Operations
2000 Administration Building
1745 West 1700 South
Salt Lake City, Utah 84104

July 9, 1982

Megadon Enterprises, Inc.
57 West South Temple - Suite 240
Salt Lake City, Utah 84101

Re: Rescind Application for Permit
to Drill
Well No. 2-22
Section 22-T22S-R15E
Emery County, Utah
Lease No. U-18649

Gentlemen:

The Application for Permit to Drill the referenced well was approved February 18, 1982. We are rescinding the approval of the referenced application, without prejudice, as the lease terminated June 30, 1982.

If you have any questions, please feel free to contact this office.

Sincerely,

E. W. Guynn
District Oil & Gas Supervisor

bcc: SMA
State O&G ✓
State BLM
MMS-Vernal
Well File
APD Control
DH/dh